



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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M. K. [Signature]
5-7-03
(N.E.)

Applicant: Chen et al.

Attorney Docket No. BOEI-1-1037

Serial No.: 10/019,459

Group Art Unit: 3661

Filing Date: December 26, 2001

Examiner: SWARTHOUT, BRENT

Title: VERTICAL SITUATION DISPLAY TERRAIN/WAYPOINT SWATH, RANGE TO TARGET SPEED, AND BLENDED AIRPLANE REFERENCE

RESPONSE TO OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

AMENDMENT AND RESPONSE

In the Claims:

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APR 18 2003
GROUP 3600

Please elect Group I (claims 1-9 and 18).

1. (Previously Amended) A flight information display for a flight deck of an aircraft, the display showing a side view of a flight path or area directly in front of the aircraft having a selected distance of at least 0.5 nautical miles, the aircraft having means for determining the aircraft's location, the location determining means having a minimum accuracy, the display comprising:

a pictorial representation to scale of a profile of highest elevations of a swath of terrain along the path or area, a width of the swath being at least 0.1 nautical miles and no greater than a distance of the minimum accuracy of the location determining means;

an icon representing the aircraft, the icon being positioned on a left or right side of the display, the altitude of which is to scale with the height of the terrain; and
an altitude reference scale.

2. (New) The display of Claim 1, further comprising a top-down display of a range of terrain in front of the airplane to a compass rose, wherein the selected distance shown in the side view is at least half the range of terrain shown on the top-down display.

3. (New) The display of Claim 2, wherein the selected distance shown in the side view is no greater than two times the range of terrain shown on the top-down display.



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